

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Previously Presented) A method of driving a display device, comprising the steps of:

frequency modulating a reference clock signal and obtaining a modulated clock signal;

applying the modulated clock signal to a source signal line-side driving circuit of said display device;

sampling an image signal on the basis of the modulated clock signal; and

supplying the sampled image signal to a corresponding pixel and obtaining an image.

2. (Original) A method of driving a display device, comprising the steps of:

frequency modulating a reference clock signal and obtaining a modulated clock signal;

performing sampling and A/D conversion on an analog image signal on the basis of the modulated clock signal and obtaining a digital image signal;

after performing digital signal processing on the digital image signal, performing D/A conversion on the digital image signal on the basis of the reference clock signal and obtaining an improved analog image signal; and

supplying the improved analog image signal to a corresponding pixel and obtaining an image.

3. (Currently Amended) A method of driving a display device, comprising the steps of:

performing sampling and A/D conversion on an analog image signal on the basis of a fixed reference clock signal and obtaining a digital image signal;

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after performing digital signal processing on the digital image signal, performing D/A conversion on the digital image signal on the basis of a modulated clock signal and obtaining an improved analog image signal; and

supplying the improved analog image signal to a corresponding pixel and obtaining an image.

4. (Previously Presented) A method of driving a display device according to any one of claims 1 or 2, wherein the modulated clock signal is obtained by shifting a frequency of the reference clock signal on the basis of a Gaussian histogram.

5. (Previously Presented) A method of driving a display device according to any one of claims 1 or 2, wherein the modulated clock signal is obtained by randomly shifting a frequency of the reference clock signal.

6. (Previously Presented) A method of driving a display device according to any one of claims 1 or 2, wherein the modulated clock signal is obtained by shifting a frequency of the reference clock signal in the form of a sine wave.

7. (Previously Presented) A method of driving a display device according to any one of claims 1 or 2, wherein the modulated clock signal is obtained by shifting a frequency of the reference clock signal in the form of a triangular wave.

8. (Original) A method of driving a display device according to any one of claims 1 to 3 wherein said display device is an active matrix type display device.

9. (Previously Presented) A method of driving a display device according to any one of claims 1 to 3 wherein said display device is a passive matrix type display device.

10. (Original) A method according to claim any one of claims 1 to 3 wherein said display device is a liquid crystal device.

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11. (Original) A method according to any one of claims 1 to 3 wherein said display device is an electroluminescence display.

12. (Original) A display device comprising:

an active matrix circuit having a plurality of thin-film transistors arranged in a matrix form; and

a source signal line-side driving circuit and a gate signal line-side driving circuit for driving said active matrix circuit,

wherein a modulated clock signal obtained by frequency modulating a reference clock signal is inputted to said source signal line-side driving circuit, while a fixed clock signal is inputted to said gate signal line-side driving circuit.

13. (Original) A display device comprising:

an active matrix circuit having a plurality of thin-film transistors arranged in a matrix form; and

a source signal line-side driving circuit and a gate signal line-side driving circuit for driving said active matrix circuit,

wherein a modulated clock signal obtained by frequency modulating a reference clock signal is inputted to said source signal line-side driving circuit, while a modulated clock signal which differs from said modulated clock signal in quantity of frequency shifting or method of frequency modulation is inputted to said gate signal line-side driving circuit.

14. (Original) A display device comprising a passive matrix circuit, wherein an image signal sampled on the basis of a modulated clock signal obtained by frequency modulating a reference clock signal is inputted to a signal electrode of said passive matrix circuit, and a fixed clock signal being inputted to a scanning electrode of said passive matrix circuit.

15. (Original) A display device comprising a passive matrix circuit, wherein an image signal sampled on the basis of a modulated clock signal obtained by frequency

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modulating a reference clock signal is inputted to a signal electrode of said passive matrix circuit, and a modulated clock signal which differs from said modulated clock signal in quantity of frequency shifting or method of frequency modulation is inputted to a scanning electrode of said passive matrix circuit.

16. (Original) A display device according to any one of claims 12 to 15, wherein the modulated clock signal is obtained by shifting a frequency of the reference clock signal on the basis of a Gaussian histogram.

17. (Original) A display device according to any one of claims 12 to 15, wherein the modulated clock signal is obtained by randomly shifting a frequency of the reference clock signal.

18. (Original) A display device according to any one of claims 12 to 15, wherein the modulated clock signal is obtained by shifting a frequency of the reference clock signal in the form of a sine wave.

19. (Original) A display device according to any one of claims 12 to 15, wherein the modulated clock signal is obtained by shifting a frequency of the reference clock signal in the form of a triangular wave.

20. (Original) A display device according to any one of claims 12 to 15 wherein said display device is a liquid crystal device.

21. (Original) A display device according to any one of claims 12 to 15 wherein said display device is an electroluminescence device.

22. (Original) A mobile telephone having a display device according to any one of claims 12 to 15.

23. (Original) A projector having a display device according to any one of claims 12 to 15.

24. (Original) A video camera having a display device according to any one of claims 12 to 15.

25. (Original) A mobile computer having a display device according to any one of claims 12 to 15.

3 Panel.
26. (Original) A head-mounted display having a display device according to any one of claims 12 to 15.

27. (Original) A personal computer having a display device according to any one of claims 12 to 15.

28. (Original) A player which uses a recording medium, having a display device according to any one of claims 12 to 15.

29. (Original) A digital camera having a display device according to any one of claims 12 to 15.
